

CLAIMS

What is claimed is:

Sub A1  
1. A method for intercepting an event, the method comprising the  
2 steps of:  
3 generating an event by an application program interface;  
4 transmitting said event to an intercept logic if event interception is  
5 enabled;  
6 determining if said event is to be processed by said intercept logic; and  
7 processing said event.

Sub B1  
2. The method of claim 1, further including the step of:  
3 defining a plurality of events to be intercepted.

3. The method of claim 2, wherein the step of determining if said  
4 event is to be processed by said intercept logic further includes the step of:  
5 finding said event to be processed in said plurality of events to be  
6 intercepted.

4. The method of claim 1, wherein said event is selected from the  
5 group consisting of function calls and operating system calls.

1           5.     The method of claim 1, wherein said processing said event  
2 further includes the step of  
3           sending a message enabling said application program interface  
4 processing of said event if said intercept logic cannot process said event.

1           6.     The method of claim 1, wherein said transmitting said event to  
2 an intercept logic step further includes the step of:  
3           sending event to a generic interception communication interface, said  
4 generic interception communication interface maintaining communication  
5 between said application programming interface and said interface logic.

1           7.     An event interception system for generic interception of events,  
2 comprising:  
3           means for generating an event;  
4           means for processing said event;  
5           means for intercepting said event;  
6           means for transmitting said event to said intercepting means if event  
7 intercepting is enabled; and  
8           means for determining if said event is to be processed by said  
9 intercepting means.

1           8.     The event interception system of claim 7, further comprising:  
2           means for defining a plurality of events to be intercepted.

1           9.     The event interception system of claim 8, wherein the  
2     determining if said event is to be processed means further comprises:  
3           means for finding said event to be processed in said plurality of events  
4     to be intercepted.

1           10.    The event interception system of claim 7, wherein said event is  
2     selected from the group consisting of function calls and operating system  
3     calls.

1           11.    The event interception system of claim 7, further comprising:  
2           means for sending a message enabling said processing means to  
3     process said event if said intercepting means cannot process said event.

1           12.    The event interception system of claim 7, wherein said means  
2     transmitting said event further comprises:  
3           means for sending said event to a generic interception communication  
4     interface, said generic interception communication interface maintaining  
5     communication between said intercepting means and said processing means.

1 13. An event interception system for generic interception of events,  
2 comprising:

3 an application program interface receiving a request for service, said  
4 application program interface generating at least one event to complete said  
5 request for service;

6 an intercept logic for processing an event; and

7 a generic interception communication interface for transferring said  
8 event from said application program interface to said intercept logic if event  
9 intercepting is enabled.

1 14. The event interception system of claim 13, wherein said  
2 intercept logic defines a plurality of events to be intercepted

1 15. The event interception system of claim 14, wherein said  
2 intercept logic process said event if said intercept logic finds said event to be  
3 processed in said plurality of events to be intercepted.

1 16. The event interception system of claim 13, wherein said event is  
2 selected from the group consisting of function calls and operating system  
3 calls.

1 17. The event interception system of claim 13, wherein said  
2 intercept logic process sends a message enabling said application

3 programming interface processing of said event if said intercept logic cannot  
4 process said event.

1 18. The event interception system of claim 13, wherein said generic  
2 interception communication interface maintains communication between said  
3 application programming interface and said intercept logic.

1 19. A computer readable recording medium having a program for  
2 generic event interception, said program product comprising:

3 a means for directing the event interception system to receive a request  
4 for service;

5 a means for providing at least one event to complete a request for  
6 service;

7 a means for processing said event;

8 a means for intercepting said event;

9 a means for defining a plurality of events to be intercepted by said  
10 intercepting means;

11 a means for transmitting said event to said intercepting means if event  
12 intercepting is enabled; and

13 a means for determining if said event is to be processed by said  
14 intercepting means.

1           20.    The computer readable medium of claim 19, wherein the means  
2   for determining if said event is to be processed by said intercepting means  
3   includes:  
4           a first routine means, responsive to the means for defining a plurality  
5   of events to be intercepted, for finding said event to be processed in said  
6   plurality of events to be intercepted.